
Evaluating The Alignment of Diploma in Information Technology (Digital Technology) - DDT Programme at Politeknik Ungku Omar with Industry Needs in Malaysia

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Abstract

This study evaluates the alignment between the Diploma in Digital Technology (DDT) Programme at Politeknik Ungku Omar and industry requirements from students' perspectives. The research analysed responses from 250 students across three tracks: Software and Application Development, Information Security, and Networking System. The study employed a comprehensive survey addressing 20 key aspects of program-industry alignment. Results indicate remarkably high satisfaction levels, with 90% of students positively rating the program's effectiveness in job preparation, hands-on training opportunities, and career readiness. The demographic distribution showed a diverse student body, with 153 female and 97 male participants, representing various ethnic backgrounds including Malay (72.4%), Chinese (14%), and Indian (11.6%). The analysis revealed high levels of satisfaction across multiple dimensions, particularly in areas of practical training, industry-specific projects, and technical skill development. Notable strengths include the program's incorporation of emerging technologies, industry internships, and professional networking opportunities. While the overall alignment with industry needs is strong, areas for potential enhancement include entrepreneurship support and continuous updating of teaching materials. These findings suggest that the DDT Programme effectively meets current industry demands while identifying specific areas for future improvement.

Keywords: *DDT Programme; Industry Alignment; Student Satisfaction*
